

ABSTRACT OF THE DISCLOSURE

An image processing apparatus of the present invention comprising (a) a first signal processing circuit for applying gamma correction to an n -bit (n : a natural number) digital signal inputted as a video signal and for converting the n -bit digital signal into an m -bit ($m > n$, m : a natural number) digital signal, and (b) a second signal processing circuit for adding a noise signal, which is used for pseudo contour reduction, into the m -bit digital signal from the first signal processing circuit and for outputting a Q -bit (Q : a natural number) digital signal, which is obtained from rounding off a less significant $(m - Q)$ bit ($Q \leq n$) from the m -bit digital signal, to a display section.